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ning of each regular issue of the PCT Gazette.*

(54) Title: USE OF AN ORGAN-SPECIFIC SELF-PATHOGEN FOR TREATMENT OF A NON-AUTOIMMUNE DISEASE OF SAID ORGAN

(57) Abstract: An agent selected from: (a) a pathogenic self-antigen associated with a T-cell-mediated specific autoimmune disease of an organ; (b) a peptide which sequence is comprised within the sequence of (a); (c) a peptide obtained by modification of (b), by replacement of one or more amino acid residues by different amino acid residues, said modified peptide still being capable of recognizing the T-cell receptor recognized by the parent peptide but with less affinity; (d) a nucleotide sequence encoding (a), (b), or (c); and (e) T cells activated by a pathogenic self-antigen of (a), a peptide of (b), or a modified peptide of (c), can be used for treatment of a non-autoimmune disease, disorder or injury in said organ. For example, uveitogenic antigens or peptides thereof can be used for treatment of a non-autoimmune disease, disorder or injury in the eye.



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INTERNATIONAL SEARCH REPORT

International application No.

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A. CLASSIFICATION OF SUBJECT MATTER

IPC(7) : A61K 38/00; C07K 5/00; C12Q 1/68
US CL : 514/2; 530/350; 435/6

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
U.S. : 514/2; 530/350; 435/6

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)
Medline, CAPlus, Biosis, Embase, US Patents, Derwent

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	US 5,961,977 A (HAFLER et al.) 05 October 1999 (05.10.1999), see entire document.	1-8, 10-21, 23-29
A		9, 22
A	SCHORI, H. et al. Vaccination for protection of retinal ganglion cells against death from glutamate cytotoxicity and ocular hypertension: Implications for glaucoma. Proceedings of the National Academy of Sciences, U.S.A. 2001, Vol. 98, pages 3398-3403	1-29
A	MIZRAHI, T. et al. The tissue-specific self-pathogen is the protective self-antigen: the case of Uveitis. The Journal of Immunology, 2002, Vol. 169, pages 5971-5977.	1-29
A,E	SCHWARTZ, M. et al. Protective autoimmunity against the enemy within: fighting glutamate toxicity. Trends in Neurosciences, JUNE 2003, Vol. 26, pages 297-302.	1-29

☐ Further documents are listed in the continuation of Box C.

☐ See patent family annex.

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